## **CHAPTER 8**

## 8.0 LITERATURE CITED

- Alliance to Save Energy. 2010. About Green Schools. <a href="http://ase.org/section/program/greenschl/aboutgs">http://ase.org/section/program/greenschl/aboutgs</a>. Accessed June 1, 2010.
- America's Energy Future Panel on Electricity from Renewable Resources (AEFPERR). 2009. Electricity from Renewable Resources: Status, Prospects, and Impediments. National Academies Press, Washington, D.C.
- Arnett, E. B., D. B. Inkley, D. H. Johnson, R. P. Larkin, S. Manes, A. M. Manville, J. R. Mason, M. L. Morrison, M. D. Strickland, and R. Thresher. 2007. Impacts of Wind Energy Facilities on Wildlife and Wildlife Habitat. Technical Review 07-2. The Wildlife Society, Bethesda, MD.
- Augustine, C., and K. R. Young. 2010. Updated U.S. Geothermal Supply Curve. Conference Paper NREL/CP-6A2-47458, National Renewable Energy Laboratory, Golden, CO.
- Baerwald, E. F., G. H. D'Amours, G. J. Klug, and R. M. R. Barclay. 2008. Barotrauma Is a Significant Cause of Bat Fatalities at Wind Turbines. Current Biology 18:R695-R696, doi:10.1016/j.cub.2008.06.029.
- Baskin, J. M. and C. C. Baskin. 2003. The Vascular Flora of Cedar Glades of the Southeastern United States and Its Phytogeographical Relationships. Journal of the Torrey Botanical Society 130: 100-117.
- Bendat, J. S., and A. G. Piersol. 1986. Random Data –Analysis and Measurement Procedures, 2<sup>nd</sup> Edition, John Wiley & Sons, Inc., New York, NY, pp. 95-97.
- Bohac, C. E., and M. J. McCall. 2008. Water Use in the Tennessee Valley for 2005 and Projected Use in 2030. Tennessee Valley Authority, Chattanooga, TN.
- Bradley, M., and J. Robinson. 2009. Personal communication of 2005 groundwater withdrawal data for public-water supply in Tennessee, July 2.
- Bureau of Census. 1989. 1987 Census of Agriculture, Vol. 1, Geographic Area Series. U.S. Dept. Commerce, Bureau of Census, Washington, D.C.
- \_\_\_\_\_. 2000a. Census 2000 Summary File 1 (SF 1) 100-Percent Data, Detailed Tables.

  Retrieved from

  <a href="http://factfinder.census.gov/servlet/DTGeoSearchByListServlet?ds">http://factfinder.census.gov/servlet/DTGeoSearchByListServlet?ds</a> name=DEC 200

  O SF1 U& lang=en& ts=285869678994. Accessed May 5, 2010).
- \_\_\_\_\_\_. 2009. 2008 County Characteristics Age, Sex, Race, and Hispanic Origin. Retrieved from <a href="http://www.census.gov/popest/counties/asrh/">http://www.census.gov/popest/counties/asrh/</a>. Accessed April 21, 2010.

- ———. 2010. 2009 County Total Population Estimates. Retrieved from <a href="http://www.census.gov/popest/estimates.html">http://www.census.gov/popest/estimates.html</a>. Accessed May 5, 2010.
- Bureau of Land Management. 2005. Final Programmatic Environmental Impact Statement on Wind Energy Development on Bureau of Land Management-Administered Lands in the Western United States. FES 05-11, U.S. Department of the Interior, Bureau of Land Management. Available online:

  <a href="http://windeis.anl.gov/documents/fpeis/index.cfm">http://windeis.anl.gov/documents/fpeis/index.cfm</a>.
- Burt, D. 2009. Personal communication of 2004 groundwater withdrawal data for public-water supply in Mississippi, June 23.
- Center for Resource Solutions. 2010. Green-e Energy. <a href="http://www.green-e.org/getcert re.shtml">http://www.green-e.org/getcert re.shtml</a>. Accessed June 1, 2010.
- Charlson, R. J., and H. Rodhe. 1982. Factors Controlling the Acidity of Natural Rainwater. Nature 295:683-685.
- Christensen, J. H., B. Hewitson, A. Busuioc, A. Chen, X. Gao, I. Held, R. Jones, R. K. Kolli, W. T. Kwon, R. Laprise, V. Magana Rueda, L. Mearns, C. G. Menendez, J. Raisanen, A. Rinke, A. Sarr, and P. Whetton. 2007. Regional Climate Projections. Pp.847-940 In Climate Change 2007: The Physical Science Basis; Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change, Solomon, S.; D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor, and H.L. Miller, Eds. Cambridge University Press, Cambridge, United Kingdom and New York.
- Conner, A. M., J. E. Francfort, and B. N. Rinehart. 1998. U.S. Hydropower Resource Assessment Final Report. DOE/ID-10430.2, Idaho National Engineering and Environmental Laboratory, U.S. Department of Energy, Idaho Falls, ID. Available at <a href="http://hydropower.id.doe.gov/resourceassessment/index.shtml">http://hydropower.id.doe.gov/resourceassessment/index.shtml</a>. Accessed July 13, 2010.
- Conner, R.C., and A. J. Hartsell. 2002. Forest Area and Conditions. Pp. 357-402 *In* Wear, D.N., and J.G. Greis (eds.). Southern Forest Resource Assessment. Gen. Tech. Rep. SRS-53, U.S. Forest Service, Southern Research Station, Asheville, NC.
- Cowardin, L. M., V. Carter, F. C. Golet, and E. T. LaRoe. 1979. Classification of Wetland and Deepwater Habitats of the United States. Washington, D.C.: U.S. Fish and Wildlife Publication FWS/OBS-79/31.
- Cushman, R. M. 1985. Review of Ecological Effects of Rapidly Varying Flows Downstream from Hydroelectric Facilities. N. Amer. J. Fisheries Management 5:330–339.
- Dahl, T. E. 2000. Status and Trends of Wetlands in the Conterminous United States 1986 to 1997. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C.
- \_\_\_\_\_. 2006. Status and Trends of Wetlands in the Conterminous United States 1998 to 2004. U.S. Department of the Interior; Fish and Wildlife Service, Washington, D.C.

Use and Biodiversity. Biofuels and Sustainability Reports, Ecological Society of America. Available at <a href="http://www.esa.org/biofuelsreports">http://www.esa.org/biofuelsreports</a>. Denholm, P., and G. L. Kulcinski. 2004. Life-cycle Energy Requirements and Greenhouse Gas Emissions from Large Scale Energy Storage Systems. Energy Conversion and Management 45:2153-2172. and R. Margolis. 2007. The Regional Per-Capita Solar Electric Footprint for the United States. Technical Report NREL/TP-670-42463. National Renewable Energy Laboratory, U.S. Department of Energy, Golden, Colorado. and R. Margolis. 2008. Land-use Requirements and the Per-capita Solar Footprint for Photovoltaic Generation in the United States. Energy Policy 36:3531-3543. , M. Hand, M. Jackson, and S. Ong. 2009. Land-use Requirements of Modern Wind Power Plants in the United States. National Renewable Energy laboratory Tech. Rep. NRWL/TP-6A2-45834. Dyer, J. M. 2006. Revisiting the Deciduous Forests of Eastern North America. Bioscience 56: 341-352. Elliott, D. L., C.G. Holladay, W.R. Barchet, H.P. Foote, and W.F. Sandusky. 1986. Wind Energy Resource Atlas of the United States. Pacific Northwest Laboratory. Richland, Washington. Available on line: http://rredc.nrel.gov/wind/pubs/atlas/atlas index.html. Electric Power Research Institute (EPRI). 2002. Water and Sustainability (Volume 2): An Assessment of Water Demand, Supply, and Quality in the U.S. – The Next Half Century, 1006785. Topical Report, Palo Alto, California. . 2009. Program on Technology Innovation: Utility Scale Use of Biomass. Report 1018661, EPRI, Palo Alto, California. . 2010. Renewable Energy Technology Guide-RETG: 2009. Report 1021379, EPRI, Palo Alto, California. and Tennessee Valley Authority. 2009. Potential Impact of Climate Change on Natural Resources in the Tennessee Valley Authority Region. Report 1020420, EPRI, Palo Alto, California, and TVA, Knoxville, Tennessee. Energy Information Administration (EIA). 2007. Emissions of Greenhouse Gases in the

Dale, V. H., K. L. Kline, J. Wiens, and J. Fargione. 2010. Biofuels: Implications for Land

Environmental Protection Agency (EPA). 1995. AP-42 Compilation of Air Pollutant Emission Factors, Vol. I, fifth ed. Available on line: <a href="http://www.epa.gov/ttnchie1/ap42/">http://www.epa.gov/ttnchie1/ap42/</a>.

Department of Energy. DOE/EIA- 0573(2007).

United States 2005. U.S. Department of Energy. DOE/EIA- 0573(2006).

2008. Emissions of Greenhouse Gases in the United States 2007. U.S.



- Fannin, J. 2009. Personal communication of 2005 groundwater withdrawal data for public-water supply in Georgia, July 7.
- Federal Energy Regulatory Commission. 2008. Standards of Conduct for Transmission Providers. 18 CFR Part 358, Docket No. RM07-1-000; Order No. 717. Available at <a href="http://www.ferc.gov/whats-new/comm-meet/2008/101608/M-1.pdf">http://www.ferc.gov/whats-new/comm-meet/2008/101608/M-1.pdf</a>.
- Fenneman, N. M. 1938. Physiography of the Eastern United States. McGraw-Hill, New York.
- Forster, P., V. Ramaswamy, P. Artaxo, T. Berntsen, R. Betts, D. W. Fahey, J. Haywood, J. Lean, D. C. Lowe, G.r Myhre, J. Nganga, R. Prinn, G. Raga, M. Schulz, and R. Van Dorland. 2007. Changes in Atmospheric Constituents and in Radiative Forcing. Pp. 129-234 In Climate Change 2007: The Physical Science Basis; Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change, Solomon, S.; D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor, and H.L. Miller, Eds. Cambridge University Press, Cambridge, United Kingdom and New York.

- Fthenakis, V., and H. C. Kim. 2007. Greenhouse-Gas Emissions from Solar Electric- and Nuclear Power: A Life-Cycle Study. Energy Policy 35:2549-2557.
- \_\_\_\_\_, H. C. Kim, and E. Alsema. 2008. Emissions from Photovoltaic Life-cycles. Environ. Sci. Technol. 42:2168-2174.
- and H. C. Kim. 2009. Land Use and Electricity Generation: A Life-Cycle Analysis. Renewable & Sustainable Energy Reviews 13:1465-1474.
- Griffith, G.E., J. M. Omernik and S. Azevedo. 1998. Ecoregions of Tennessee (color poster with map, descriptive text, summary tables, and photographs). Reston, Virginia. US Geological Survey (map scale 1:250,000). Available at <a href="http://www.epa.gov/wed/pages/ecoregions/tn">http://www.epa.gov/wed/pages/ecoregions/tn</a> eco.htm. Accessed May 15, 2009.
- Guthe, C. E. 1952. Twenty Five Years of Archeology in the Eastern United States. Pp. 1-2 In J. B. Griffin, ed., Archeology of Eastern United States. University of Chicago Press.
- Hall, D. G., K. S. Reeves, J. Brizzee, R. D. Lee, G. R. Carroll, and G. L. Sommers. 2006. Feasibility Assessment of the Water Energy Resources of the United States for New Low Power and Small Hydro Classes of Hydroelectric Plants. DOE-ID-11263, Office of Energy Efficienty and Renewable Energy, U.S. Department of Energy. Available at <a href="http://hydropower.id.doe.gov/resourceassessment/index.shtml">http://hydropower.id.doe.gov/resourceassessment/index.shtml</a>. Accessed July 13, 2010.
- Hefner, J. M., B. O. Wilen, T. E. Dahl, and W. E. Frayer. 1994. Southeast Wetlands, Status and Trends. Cooperative Publication by United States Department of the Interior, Fish and Wildlife Service, and the U.S. Environmental Protection Agency.
- Hoerling, M., G. Hegerl, D. Karoly, A. Kumar, and D. Rind. 2008. Attribution of the Causes of Climate Variations and Trends over North America during the Modern Reanalysis Period. Pp. 47-92 In Reanalysis of Historical Climate Data for Key Atmospheric Features: Implications for Attribution of Causes of Observed Change; Dole, R.; Hoerling, M.; Schubert, S., Eds. A Report by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research, National Oceanic and Atmospheric Administration, National Climatic Data Center, Asheville, NC.
- Hondo. H. 2005. Life-cycle GHG Emission Analysis of Power Generation Systems: Japanese Case. Energy 30:2042-2056.
- Hopping, P. N. 2010. Watts Bar Nuclear Plant, Unit 2 Response to RAI. H-14, Letter from Joel S. Wiebe, U.S. NRC Office of Nuclear Reactor Regulation, to Ashok S. Bhatnagar, U.S. TVA Office of Nuclear Generation Development and Construction; Subject—Watts Bar Nuclear Plant, Unit 2, Request for Additional Information Regarding Environmental Review (TAC No. MD8203); Docket No. 50-391. Tennessee Valley Authority, Knoxville, Tennessee.
- Interagency Monitoring of Protected Visual Environments (IMPROVE). 2007

  Monitoring Results. Available at <a href="http://vista.cira.colostate.edu/improve/">http://vista.cira.colostate.edu/improve/</a>.

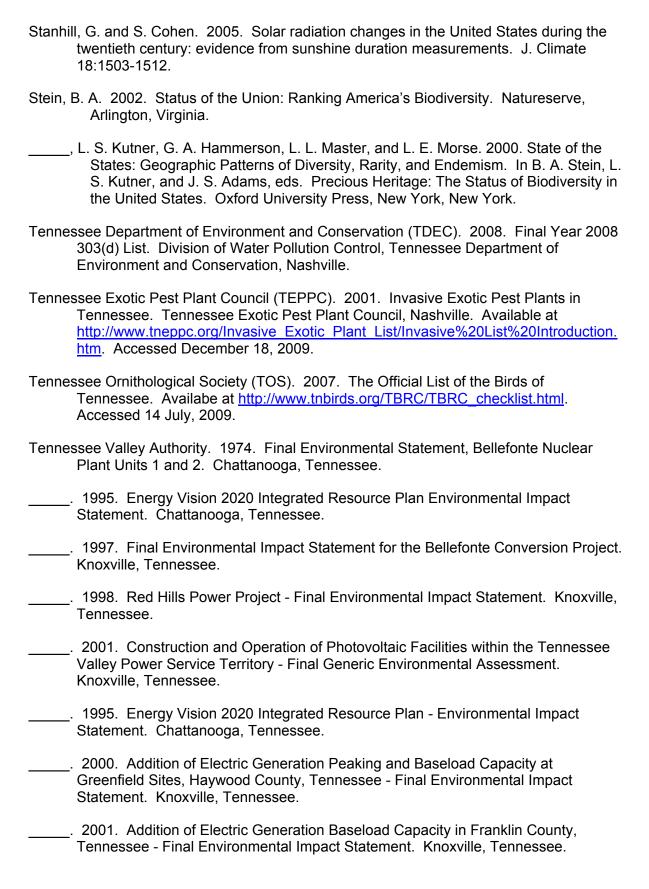
- Jaramillo, P., W. M. Griffin, and H. S. Matthews. 2007. Comparative Life-Cycle Air Emissions of Coal, Domestic Natural Gas, LNG, and SNG for Electricity Generation. Environ. Sci. Technol. 41:6290-6296.
- Karl, T. R., J. M. Melillo, and T C. Peterson, eds. 2009. Global Climate Change Impacts in the United States. Cambridge University Press, New York. Available at <a href="http://www.globalchange.gov/publications/reports/scientific-assessments/us-impacts">http://www.globalchange.gov/publications/reports/scientific-assessments/us-impacts</a>. Accessed April 2, 2010.
- Kenny, J. F., N. L. Barber, S. S. Hutson, K. S. Linsey, J. K. Lovelace, and M. A. Maupin. 2009. Estimated Use of Water in the United States in 2005. U.S. Geological Survey Circular 1344. Available at http://pubs.usgs.gov/circ/1344/.
- Kim, S., and B. E. Dale. 2005. Life-cycle Inventory Information of the United States Electricity System. Int. J. Life-cycle Assessment 10:294-304.
- King, C. W. and Webber, M. E., 2008. The Water Intensity of the Plugged-In Automotive Economy, Environmental Science and Technology 42(12):4305–4311.
- Lanzante, J.R., T.C. Peterson, F.J. Wentz, and K.Y. Vinnikov. 2006. What Do Observations Indicate about the Change of Temperatures in the Atmosphere and at the Surface since the Advent of Measuring Temperatures Vertically? In Temperature Trends in the Lower Atmosphere: Steps for Understanding and Reconciling Differences; Karl, T.R.; Hassol, S.J.; Miller, C.D.; Murray, W.L., Eds. A Report by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research, Washington, DC.
- Liepert, B. and I. Tegen. 2002. Multidecadal Solar Radiation Trends in the United States and Germany and Direct Tropospheric Aerosol Forcing. J. Geophys. Res. 107, D12,4153, doi:10.1029/2001JD000760.
- Littlepage, T. .2009. Personal communication of 2005 groundwater use data for Alabama, July 6.
- Mann, M. K., and P. L. Spath. 2001. A Life-cycle. Clean Prod. Processes 3:81-91.
- Martinez, E., F. Sanz, S. Pellegrini, E. Jimenez, and J. Blanco. 2009. Life-cycle Assessment of a 2-MW Rated Power Wind Turbine: CML Method. Int. J. Life-cycle Assess. 14:52-63.
- McDonald, R. I., J. Fargione, J. Kiesecker, W. M. Miller, and J. Powell. 2009. Energy Sprawl or Energy Efficiency: Climate Policy Impacts on Natural habitat for the United States of America. PLoS ONE 4:(8): e6802. Doi:10.1371/jourmal.pone.0006802.
- Meier, P. J. 2002. Life-Cycle Assessment of Electricity Generation Systems and Applications for Climate Change Policy Analysis. Fusion Technology Institute of University of Wisconsin, Madison.

- \_\_\_\_\_, and G. I. Kulcinski. 2000. Life-Cycle Energy Cost and Greenhouse Gas Emissions for Gas Turbine Power. Research Report 202-1, Energy Center of Wisconsin, Madison.
- Milbrandt, A. 2005. A Geographic Perspective on the Current Biomass Resource Availability in the United States. Tech. Report NREL/TP-550-39181, National Renewable Energy Laboratory, U.S. Department of Energy, Golden, CO.
- Miller, B. A., V. Alavian, M. D. Bender, D. J. Benton, L. L. Cole, L. K. Ewing, P. Ostrowski, et al. 1993. Sensitivity of the TVA Reservoir and Power Supply Systems to Extreme Meteorology. Tennessee Valley Authority, Engineering Laboratory, Report No. WR28-1-680-111.
- Miller, R. A. 1974. The Geologic History of Tennessee. Tennessee Div. Geology Bull. 74, Nashville.
- National Climatic Data Center (NCDC). 2008. U.S. Climate Normals, 1971-2000. U.S. Department of Commerce, National Climatic Data Center. <a href="http://lwf.ncdc.noaa.gov/oa/climate/normals/usnormals.html">http://lwf.ncdc.noaa.gov/oa/climate/normals/usnormals.html</a>. Accessed November 18, 2009.
- National Energy Technology Laboratory (NREL). 2008. 2008 Carbon Sequestration Atlas of the United States and Canada, 2nd Edition. U.S. Department of Energy, Office of Fossil Energy, National Energy Technology Laboratory.

  <a href="http://www.netl.doe.gov/technologies/carbon\_seq/refshelf/atlasll/">http://www.netl.doe.gov/technologies/carbon\_seq/refshelf/atlasll/</a>. Accessed July 8, 2009.
- \_\_\_\_\_. 2009a. Dynamic Maps, GIS Data, and Analysis Tools U.S. Solar Resource Maps. <a href="http://www.nrel.gov/gis/solar.html">http://www.nrel.gov/gis/solar.html</a>. Accessed December 22, 2009.
- \_\_\_\_\_. 2009b. Dynamic Maps, GIS Data, and Analysis Tools Wind Maps. <a href="http://www.nrel.gov/gis/wind.html">http://www.nrel.gov/gis/wind.html</a>. Accessed January 20, 2010.
- \_\_\_\_\_. 2009c. Dynamic Maps, GIS Data, and Analysis Tools Biomass Maps. http://www.nrel.gov/gis/biomass.html. Accessed January 20, 2010.
- . 2010a. New Wind Energy Resource Potential Estimates for the United States. http://www.windpoweringamerica.gov/wind\_maps.asp. Accessed February 19, 2010.
- \_\_\_\_\_. 2010b. Eastern Wind Integration and Transmission Study. NREL, Golden, CO. Available at <a href="http://www.nrel.gov/wind/systemsintegration/ewits.html">http://www.nrel.gov/wind/systemsintegration/ewits.html</a>. Accessed July 29, 2010.
- National Invasive Species Council (NISC). 2008. 2008-2012 National Invasive Species Management Plan. U.S. Department of Interior, Washington, D.C. <a href="http://www.invasivespecies.gov/main\_nav/mn\_NISC\_ManagementPlan.html">http://www.invasivespecies.gov/main\_nav/mn\_NISC\_ManagementPlan.html</a>. Accessed September 28, 2009.
- Natural Resources Conservation Service (NRCS). 2009a. National Soil Survey Handbook, Title 430-VI. U.S. Department of Agriculture, Natural Resources Conservation

- Service. Available at: <a href="http://soils.usda.gov/technical/handbook/">http://soils.usda.gov/technical/handbook/</a>. Accessed October 26, 2009.
- \_\_\_\_\_ 2009b. Web Soil Survey. Available at: <a href="http://soils.usda.gov/survey/">http://soils.usda.gov/survey/</a>. Accessed October 26, 2009.
- NatureServe. 2009. NatureServe Explorer: An online encyclopedia of life [web application]. Version 7.1. NatureServe, Arlington, Virginia. Available at <a href="http://www.natureserve.org/explorer">http://www.natureserve.org/explorer</a>. Accessed 4 June 2009.
- North American Bird Conservation Initiative, U.S. Committee (NABCI). 2009. The State of the Birds, United States of America, 2009. U.S. Department of Interior: Washington, DC. 36pp. Available at <a href="http://www.stateofthebirds.org/pdf">http://www.stateofthebirds.org/pdf</a> files/State of the Birds 2009.pdf. Accessed July 14, 2009.
- Nuclear Regulatory Commission. 2010. Advanced Reactors. <a href="http://www.nrc.gov/reactors/advanced.html">http://www.nrc.gov/reactors/advanced.html</a>. Accessed August 7, 2010.
- Oak Ridge National Laboratory. 1996. Potential Supply and Cost of Biomass from Energy Crops in the TVA Region. Publication No. 4306, Environmental Sciences Division, Oak Ridge National Laboratory, Oak Ridge, TN.
- Odeh, N. A., and T. T. Cockerill. 2008. Life-cycle GHG Assessment of Fossil Fuel Power Plants with Carbon Capture and Storage. Energy Policy 36:367-380.
- Olinger, D. E. and A. E. Howard. 2009. In the Beginning... Pp. 17-37 *In* E.E. Pritchard, ed., TVA Archaeology: 75 Years of Prehistoric Site Research. University of Tennessee Press. Knoxville.
- Omernik, J.M. 1987. Ecoregions of the Conterminous United States. Map (scale 1:7,500,000). Annals of the Association of American Geographers 77(1):118-125. Available at <a href="http://www.epa.gov/wed/pages/ecoregions/level\_iii.htm#Ecoregions">http://www.epa.gov/wed/pages/ecoregions/level\_iii.htm#Ecoregions</a>. Accessed: May 15, 2009.
- Paidipati, J., Frantzis, L., Sawyer H., Kurrasch, A., and Navigant Consulting, Inc. 2008.
  Rooftop Photovoltaics Market Penetration Scenarios. Subcontract Report
  NREL/SR-581-42306. National Renewable Energy Laboratory, U.S. Department of
  Energy, Golden, CO.
- Palmer, M. A., E. S. Bernhardt, W. H. Schlesinger, K. N. Eshleman, E. Foufoula-Georgiou, M. S. Hendryx, A. D. Lemly, G. E. Likens, O. L. Loucks, M. E. Power, P. S. White, and P. R. Wilcock. 2010. Mountaintop Mining Consequences. Science 327:148-149.
- Peel, M. C., B. L. Finlayson, B. L. and T. A. McMahon. 2007. Updated World Map of the Koppen-Geiger Climate Classification. Hydrol. Earth Syst. Sci. 11: 1633–1644.
- Pope, J. 2009. Personal communication of 2005 groundwater use data for Virginia, July 10.

- Pryor, S.C., R.J. Barthelmie, D.T. Young, E.S. Takle, R.W. Arritt, D. Flory, W.J. Gutowski Jr., A. Nunes, and J. Roads. 2009. Wind Speed Trends over the Contiguous United States. J. Geophys. Res., 114, D14105, doi:10.1029/2008JD011416.
- Raichle, B. W., and W. R. Carson. 2008. Wind Resource Assessment of the Southern Appalachian Ridges in the Southeastern United States. Renewable & Sustainable Energy Reviews 13:1104-1110.
- Ricketts, T. H., E. Dinerstein, D. M. Olson, C. J. Loucks, W. Eichbaum, D. DellaSala, K. Kavanagh, P. Hedao, P. T. Hurley, K. M. Carney, R. Abell, and S. Walters. 1999. Terrestrial Ecoregions of North America: A Conservation Assessment. Island Press, Washington, D.C.
- Roosevelt, F. D. 1933. Message to Congress Suggesting the Tennessee Valley Authority, April 10, 1933. Available at <a href="http://docs.fdrlibrary.marist.edu/odtvacon.html">http://docs.fdrlibrary.marist.edu/odtvacon.html</a>. Accessed October 6, 2009.
- Smyth, R. C., S. D. Hovorka, T. Meckel, C. Breton, J. G. Paine, and G. R. Hill. 2007. Potential Sinks for Geologic Storage of Carbon Dioxide Generated in the Carolinas. Gulf Coast Carbon Center, University of Texas at Austin.
- Southern Appalachian Man and the Biosphere (SAMAB). 1996. The Southern Appalachian Assessment Terrestrial Technical Report. Report 5 of 5. Atlanta: U. S. Department of Agriculture, Forest Service, Southern Region 286pp.
- Sovacool, B. K. 2008. Valuing the greenhouse gas emissions from nuclear power: A critical survey. Energy Policy 36:2950-2963.
- Spath, P. L., M. K. Mann, and D. R. Kerr. 1999. Life-cycle Assessment of Coal-fired Power Production. Tech. Report NREL/TP-570-25119, National Renewable Energy Laboratory, U.S. Department of Energy, Golden, CO.
- \_\_\_\_\_\_, P. L., and M. K. Mann. 2000. Life-cycle Assessment of a Natural Gas Combined-Cycle Power Generation System. Tech. Report NREL/TP-570-27715, National Renewable Energy Laboratory, U.S. Department of Energy, Golden, CO.
- and M. K. Mann. 2004. Biomass Power and Conventional Fossil Systems with and without CO<sub>2</sub> Sequestration Comparing the Energy Balance, Greenhouse Gas Emissions and Economics. Tech. Report NREL/TP-510-32575, National Renewable Energy Laboratory, U.S. Department of Energy, Golden, CO.
- Spitzley, D. V., and D.A.Tolle. 2004. Evaluating Land-Use Impacts: Selection of Surface Area Metrics for Life-Cycle Assessment of Mining. J. Industrial Ecology 8:11-21.
- and G. A. Keoleian. 2005. Life-cycle Environmental and Economic Assessment of Willow Biomass Electricity: A Comparison with Other Renewable and Non-Renewable Sources. Report No. CSS04-05R, Center for Sustainable Systems, Univ. Michigan, Ann Arbor, MI.



 . 2002. Final Supplemental Environmental Impact Statement for Operating License Renewal for the Brown Ferry nuclear Plant in Athens, Alabama. Knoxville, Tennessee.
 . 2004. Reservoir Operations Study Final Programmatic Environmental Impact Statement. Knoxville, Tennessee.
 . 2005a. Wilson Hydro Plant Modernization of Hydroturbines - Final Environmental Assessment. Knoxville, Tennessee.
 . 2005b. 500-kV Transmission Line in Middle Tennessee - Final Environmental Impact Statement. Knoxville, Tennessee.
 . 2006. Installation of Flue Gas Desulfurization System at Kingston Fossil Plant - Final Environmental Assessment. Knoxville, Tennessee.
 . 2007a. Strategic Plan. Knoxville, Tennessee. Available at <a href="http://www.tva.gov/stratplan/">http://www.tva.gov/stratplan/</a> .
 . 2007b. Adoption of PURPA Standards for Energy Conservation and Efficiency – Environmental Assessment. Knoxville, Tennessee.
 . 2007c. Completion and Operation of Watts Bar Nuclear Plant Unit 2, Rhea County Tennessee - Final Supplemental Environmental Impact Statement. Knoxville, Tennessee.
 . 2008. Environmental Policy. Knoxville, Tennessee. Available at <a href="http://www.tva.com/environment/policy.htm">http://www.tva.com/environment/policy.htm</a> .
 . 2008a. Supplemental Environmental Assessment For The Potential Upgrade Of The Tenaska Site For Establishing A Simple-cycle Or Combined-Cycle Electric Generation Facility. Knoxville, Tennessee.
 . 2009. Integrated Resource Plan Environmental Impact Statement Scoping Report. Knoxville, Tennessee. Available at: <a href="http://www.tva.com/environment/reports/irp/index.htm">http://www.tva.com/environment/reports/irp/index.htm</a> .
 . 2008c. Bellefonte Nuclear Plant, Units 3&4, COL Application, Part 3, Environmental Report, Revision 1. Chattanooga, Tennessee.
 . 2010a. John Sevier Fossil Plant Addition of Gas-Fired Combustion Turbine/Combined-Cycle Generating Capacity and Associated Gas Pipeline - Environmental Assessment. Knoxville, TN. Available at
 <ul> <li>http://www.tva.com/environment/reports/johnsevier_ct/index.htm.</li> <li>2010b. Biggersville, Mississippi 161-Kilovolt Transmission Line - Provide Delivery Point - Environmental Assessment. Chattanooga, Tennessee.</li> </ul>
 . 2010c. Single Nuclear Unit at the Bellefonte Plant Site - Final Supplemental Environmental Impact Statement. Knoxville. V.

- Tennessee Wildlife Resources Agency (TWRA). 2005. Tennessee's Comprehensive Wildlife Conservation Strategy. TWRA, Nashville, Tennessee.
- \_\_\_\_\_. 2009. Climate Change and Potential Impacts to Wildlife in Tennessee: An update to Tennessee's State Wildlife Action Plan. Tennessee Wildlife Resources Agency, Nashville. Available at <a href="http://www.state.tn.us/twra/cwcs/cwcsindex.html">http://www.state.tn.us/twra/cwcs/cwcsindex.html</a>.
- Thomas, R. K.; J.M. Melillo, and T.C. Peterson (eds.). 2009. Global Climate Change Impacts in the United States. Cambridge University Press, New York.
- Tillman, T. A. 2004. Draft Report: Biomass Resource Availability Characteristics in the Tennessee Valley Authority Area. D. A. Tillman and Associates, Easton, PA.
- Trenberth, K.E.; P.D. Jones, P. Ambenje, R. Bojariu, D. Easterling, A.K. Tank, D. Parker, F. Rahimzadeh, J.A. Renwick, M. Rusticucci, B. Soden, and P. Zhai. 2007. Observations: Surface and Atmospheric Climate Change. In Climate Change 2007: The Physical Science Basis; Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change, Solomon, S.; D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor, and H.L. Miller, Eds. Cambridge University Press, Cambridge, United Kingdom and New York.
- United Nations Environment Programme (UNEP) Chemicals Branch. 2008. The Global Atmospheric Mercury Assessment: Sources, Emissions and Transport. UNEP Chemicals, Geneva, Switzerland. Available at <a href="http://www.chem.unep.ch/mercury/Atmospheric\_Emissions/Atmospheric\_emissions\_mercury.htm">http://www.chem.unep.ch/mercury/Atmospheric\_Emissions/Atmospheric\_emissions\_mercury.htm</a>.
- U.S. Bureau of Economic Analysis (USBEA). 2010. Regional Economic Accounts. Retrieved from <a href="http://www.bea.gov/regional/index.htm">http://www.bea.gov/regional/index.htm</a>. Accessed May 28, 2010.
- U.S. Climate Change Science Program (USCCSP). 2007. Scenarios of Greenhouse Gas Emissions and Atmospheric Concentrations (Part A) and Review of Integrated Scenario Development and Application (Part B). A Report by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research [Clarke, L., J. Edmonds, J. Jacoby, H. Pitcher, J. Reilly, R. Richels, E. Parson, V. Burkett, K. Fisher-Vanden, D. Keith, L. Mearns, C. Rosenzweig, M. Webster (Authors)]. U.S. Department of Energy, Office of Biological & Environmental Research, Washington, DC.
- \_\_\_\_\_\_. 2008. Climate Models: An Assessment of Strengths and Limitations. A Report by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research. [Bader D. C., C. Covey, W. J. Gutowski Jr., I. M. Held, K. E. Kunkel, R. L. Miller, R. T. Tokmakian and M. H. Zhang (Authors)].. U.S. Department of Energy, Office of Biological & Environmental Research, Washington, DC.
- U.S. Department of Agriculture (USDA). 2004. AgCensus The U.S. Census of Agriculture 1987, 1992, 1997. Available at: <a href="http://agcensus.mannlib.cornell.edu/">http://agcensus.mannlib.cornell.edu/</a>. Accessed June 24, 2009 and October 6, 2009.

- . 2007. 2007 Census of Agriculture, Vol. 1, U.S. Summary and State Reports. http://www.agcensus.usda.gov/Publications/2007/Full Report/index.asp. Accessed June 24, 2009 and October 6, 2009. . 2009. Summary Report: 2007 National Resources Inventory. Natural Resources Conservation Service, Washington, DC, and Center for Survey Statistics and Methodology, Iowa State University, Ames, Iowa. Available at: http://www.nrcs.usda.gov/technical/NRI/2007/2007 NRI Summarv.pdf. U.S. Department of Energy (USDOE). 2007. FutureGen Project - Final Environmental impact Statement. DOE/EIS-0394. Morgantown, W.V. Available at http://www.netl.doe.gov/technologies/coalpower/futuregen/EIS/. \_\_. 2009. Mesaba Energy Project - Final Environmental Impact Statement. DOE/EIS-0382. Pittsburgh, PA. Available at http://nepa.energy.gov/1167.htm. . 2010. Kemper County Integrated Gasification Combined-Cycle Project - Final Environmental Impact Statement. DOE/EIS-0409. Pittsburg, PA. Available at http://www.netl.doe.gov/technologies/coalpower/cctc/EIS/eis\_kemper.html. U.S. Fish and Wildlife Service (USFWS). 2006. Routine Operations and Maintenance of TVA's Water Control Structures in the Tennessee River Basin - Biological Opinion. Log No. 42430-2006-F-0146, Cookeville, TN. . 2008. Birds of Conservation Concern 2008. United States Department of Interior, Fish and Wildlife Service, Division of Migratory Bird Management, Arlington, Virginia. Available at http://www.fws.gov/migratorybirds/. U.S. Geological Survey (USGS). 1996. Coal Fields of the Conterminous United States. USGS Open-File Report OF 96-92. Available at http://pubs.usgs.gov/of/1996/of96-092/doc.htm. Accessed December 16, 2009. . 2008. Land Cover Trends Project. Available at http://landcovertrends.usgs.gov/main/resultsOverview.html. Accessed May 28. 2009.
- U.S. Forest Service (USFS). 2010. Forest Inventory Data Online. Available at <a href="http://fiatools.fs.fed.us/fido/index.html">http://fiatools.fs.fed.us/fido/index.html</a>. Accessed March 23, 2010.
- University of Tennessee (UT). 2008. Short Rotation Woody Crops for Biofuel. UT Agricultural Extension Station Publication SP702-C, Knoxville.
- Visibility Improvement State and Tribal Association of the Southeast (VISTAS). 2009. G4
  Emissions Inventory. Available at <a href="http://www.metro4-sesarm.org/vistas/SesarmBF">http://www.metro4-sesarm.org/vistas/SesarmBF</a> Area.htm.
- Voigtlander, C. W., and W. L. Poppe. 1989. The Tennessee River. Pages 372-384 in D. P. Dodge, ed. Proc. International Large River Symposium, Canadian Journal of Fisheries and Aquatic Sciences Special Publication 106.

- Wiltsee, G. 2000. Lessons Learned from Existing Biomass Power Plants. NREL/SR--570-26946, National Renewable Energy Laboratory, U.S. Department of Energy, Golden, CO.
- Yeary, C. 2009. Personal communication of 2005 groundwater use data for Kentucky, July 10.
- Zurawski, A. 1978. Ground-Water Resources of the United States, Tennessee Region. USGS Professional Paper 813-F.